EMC

Exam Questions D-PE-FN-01

Dell PowerEdge Foundations v2 Exam

NEW QUESTION 1
An administrator needs a dedicated RAID solution for booting the server operating system, using fast NVMe drives and iDRAC management capabilities. Which Boot Optimized Storage Solution is a RAID card designed for booting server OS, using one or two M.2 NVMe drives and managed by iDRAC?

A. NVDIMM
B. PERC
C. Intel Optane DC Persistent Memory
D. BOSS

Answer: D

NEW QUESTION 2
A software development team must set up a testing environment where they can run multiple operating systems on their existing workstations without altering their primary OS. Which type of hypervisor is suitable for this team, allowing them to access virtualization services through their current operating system, rather than directly on the hardware?

A. Deploy a Type 1 hypervisor to bypass the existing OS.
B. Implement a bare metal hypervisor for direct hardware access.
C. Utilize a hosted hypervisor that works through a host OS.
D. Choose Microsoft Hyper-V for its standalone OS capabilities.

Answer: C

NEW QUESTION 3
What is one of the primary functions of the BIOS?

A. Update device drivers for the operating system
B. Perform the POST
C. Encrypt data stored on the hard drive
D. Control the flow of electricity to system components

Answer: B

NEW QUESTION 4
An administrator must configure the iDRAC IP address on a Dell PowerEdge XE9680 server using the LCD control panel What is the first step that the administrator should take?

A. Access the BIOS settings during the server reboot
B. Navigate to the network settings on the LCD control panel
C. Press the Quick Sync button on the front of the server
D. Connect a monitor and keyboard to the server

Answer: B

NEW QUESTION 5
How many memory channels are organized per processor in PowerEdge 16G XE-series servers?

A. Eight memory channels
B. Four memory channels
C. Six memory channels
D. Sixteen memory channels

Answer: A

NEW QUESTION 6
What network security component is typically deployed by an organization to protect an internal Local Area Network (LAN) from unauthorized external access and manage client access to the Internet?

A. Implement a Network Interface Card for traffic filtering
B. Install a cloud storage gateway for secure data transfer
C. Utilize a firewall to control network access and prevent intrusions
D. Deploy a Storage Resource Manager for access control

Answer: C

NEW QUESTION 7
What is the primary function of Intel Boot Guard in securing the server boot process?

A. To prevent running firmware images not released by the system manufacturer
B. To manage user authentication and access control at the hardware level
C. To lock down the BIOS in case of any detected tampering
D. To encrypt the server's hard drives using hardware keys

Answer: A

NEW QUESTION 8
A network administrator must size an IP subnet to address 60,000 clients Which subnet
fulfills this requirement without using unnecessary IP addresses?

A. /8
B. /32
C. /16
D. /24

Answer: C

NEW QUESTION 9
What benefit does Quick Sync provide regarding server management access?

A. Enable remote server access using a dedicated network connection
B. Provide advanced BIOS configuration options without server restart
C. Eliminate the need for server physical reboot during management
D. Allow server management without a front bezel or management console

Answer: D

NEW QUESTION 10
What does the Pre-boot System Assessment (ePSA) window display?

A. Network settings
B. Firmware versions
C. Installed software
D. Detected hardware devices

Answer: D

NEW QUESTION 10
A system administrator must select a different boot device or access diagnostic tools during a warm reboot of a Dell PowerEdge server. Which PowerEdge utility
allows administrators to choose boot options and launch diagnostic utilities during server startup?

A. Utilize the Dell Lifecycle Controller for diagnostics.
B. Launch the Dell OpenManage Enterprise Boot Services.
C. Access the Boot Manager to select boot options.
D. Utilize the System Setup for boot option selection.

Answer: A

NEW QUESTION 14
Which Dell PowerEdge server component replacement prompts the use of the Easy Restore feature?

A. CPU
B. Hard Drive
C. System Board
D. Tape Drive

Answer: C

NEW QUESTION 19
A server requires both high storage capacity and fast data access speeds Which components should you recommend achieving both?

A. Combine Hard Disk Drives (HDDs) and solid state drives (SSDs)
B. Upgrade the network interface card (NIC)
C. Install additional hard disk drives (HDDs)
D. Add more DIMM slots for increased memory

Answer: A

NEW QUESTION 24
Which server attribute refers to its ability to undergo maintenance and repairs without causing system downtime?

A. Reliability
B. Serviceability
C. High availability
D. Scalability

Answer: C

NEW QUESTION 28
You are replacing the mam system board in a 17G PowerEdge server with a DC-MHS architecture. Which DC-MHS component functions as the system board

itself?

A. Modular-Common Redundant Power Supply (M-CRPS)
B. Host Processor Module (HPM)
C. Platform Infrastructure Connectivity (M-PIC)
D. Data Center Secured Control Module (DC-SCM)

Answer: B

NEW QUESTION 31
A system administrator wants to implement software RAID on a new PowerEdge server to save costs. Which configuration option allows a system board's integrated SATAport to be used for RAID implementations?

A. SATA port can only be used for non-RAID configurations
B. SATA port is exclusively for hardware RAID controllers
C. SATA port cannot be used for any RAID configuration
D. SATA port can be configured for either SATA controller or software RAID

Answer: D

NEW QUESTION 34
An IT manager is looking at the Dell PowerEdge R740xd model. What does the "xd" in the model's name indicate?

A. Indicates modular design
B. Indicates extra drives
C. Indicates high density
D. Indicates tower form factor

Answer: B

NEW QUESTION 38
In ECC memory, how many extra bits are used for every 64-bit value to facilitate single-bit error correction, based on Hamming code?

A. ECC uses 4 extra bits for every 64-bit value for correction.
B. ECC adds 32 error correction bits per 64-bit data segment.
C. ECC employs 8 additional bits for every 64-bit value.
D. ECC uses 16 parity bits for every 64-bit data value.

Answer: C

NEW QUESTION 41
A user has successfully logged in to a file server and tries to open a document The server checks the user's permissions before granting access to the file Which security mechanism is the file server employing to determine if the user can access the document?

A. A Validate user authentication status
B. Implement access control lists for authorization
C. Perform intrusion detection analysis
D. Enforce multifactor authentication

Answer: B

NEW QUESTION 45
A data center is designed with cold aisle containment. How are cold aisles used in this design to manage server temperatures?

A. Isolate the cold aisle to prevent any airflow from the hot aisle.
B. Direct hot exhaust air from the servers into the cold aisle.
C. Pump cold air into the cold aisle for server intake.
D. Recirculate hot air within the cold aisle to preheat intake air.

Answer: C

NEW QUESTION 46
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